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1. Division de Mecanique des Fluides, Institute des Problemes Fondamentals Techniques, Academie Polonaise des Sciences, Varsevie.

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MISZTAL, F., prof. dr inz.; FISZDON, W., prof. dr inz.

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- Sekretarz Wydzialu IV, Polska Akademia Nauk, Warszawa (for Misztal).
- 2. Dziekan Wydzialu Mechanicznego Energetyki i Lotnictwa, Politechnika, Warszawa (for Fiszdon).

Pd-1/P1-4 AEDC(a)/SSD/SSD(b)/ ENT(1)/EWP(m)/ENT(m)/T/FCS(k)/EWA(h) RSD/AFWL/ASD(f)-3/ASD(p)-3/AFETR P/1033/64/016/102/0.37/7241 47: A24048999 AUTHOR: Fiszdon, W. (Warsaw) TITLE: A simple qualitative estimate of the effect of oscillating prossure on the shape of a detached shock wave SOURCE: Archivum mechaniki stosovanej, v. 16, no. 2, 1964, 237-241 TOPIC TAGS: qualitative estimate, effect, oscillating pressure, shock wave, detached shock wave, waveform ABSTRACT: An attempt was made theoretically to estimate the effect of oscillating pressure at the surface of a simple plunt body on the oscillatory displacement of the shock wave. The simplified case of hypersonic Newtonian stationary flow in the stagnation region close to the axis of symmetry was considered. Formulas were derived for estimating the nondimensional time dulay t required for a pressure disturbance on the body to reach the shock wave for two cases: that of plans flow over a circular seciton with pressure oscillations on the body surface being of the same amplitude and phase (also, the pulsations propagate radially for small angles 0, where 0 is the Card 1/3

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angle between the normal to the shock wave and the direction of properties flow) and of the three-dimensional flow over a mean while the assumptions of the plane tase. Then, the world the time delays taken by a pressure pulsation to arrive at two positions given by  $\theta_1$  and  $\theta_2$  can be calculated. The results were illustra of by a calculation of the frequency of pressure osciolations  $\sim$  = 0° and  $\theta_{2}$  = 15°. It is shown that the other equivalent nucleo to produce a change of sign are high, especially and the case of plane flow, and increase very slowly at higher Machilla ets, but drop rapidly at lower Mach numbers. Recommended lines for further investigation are: study of lower velocities wit, assumntions giving closer approximations to real flow conditions in front of a blunt body, use of numerical methods in the above oscillatory cases, and study of the effect of oscillations on the subsonic region behing the shock wave on the supersonic region. Work in this field is being continued. Orig. art. has: 3 figures.

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ASSOCIATION: Department of Fluids, IBTP, Polish Academy of Sciences

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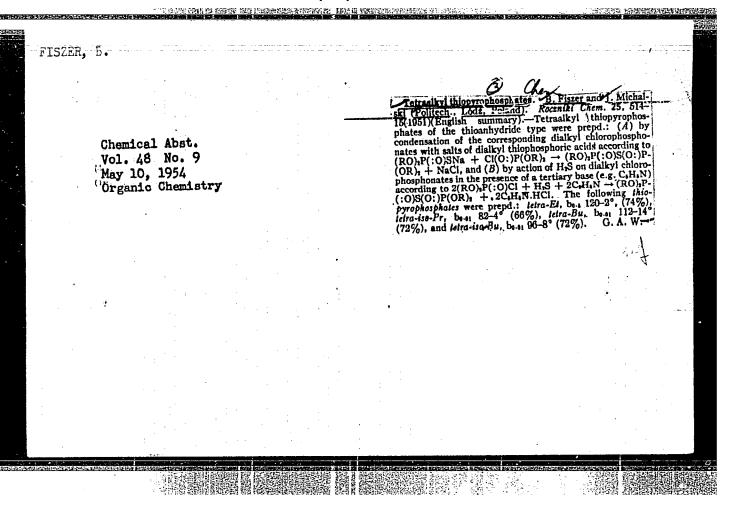
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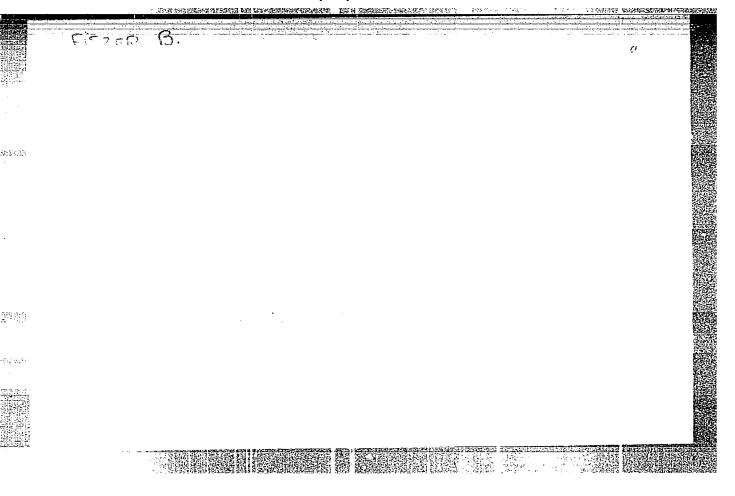
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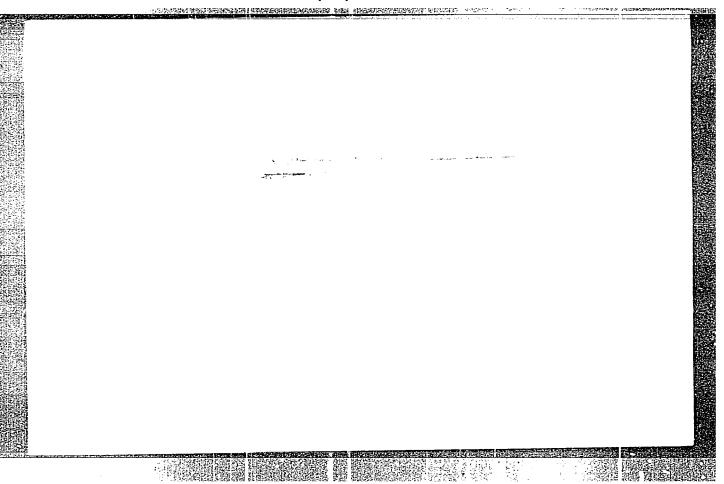
1. Department of Liquids and Gases, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

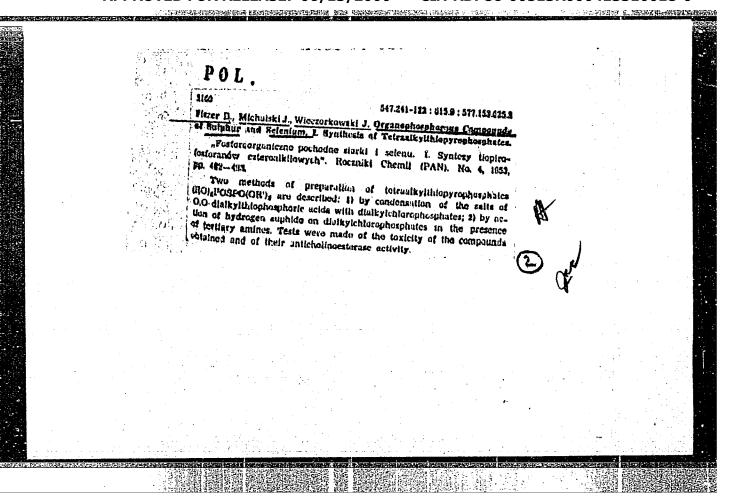
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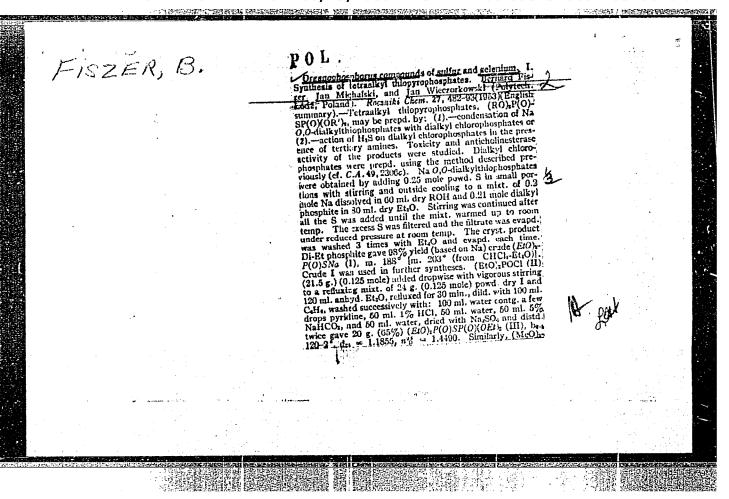
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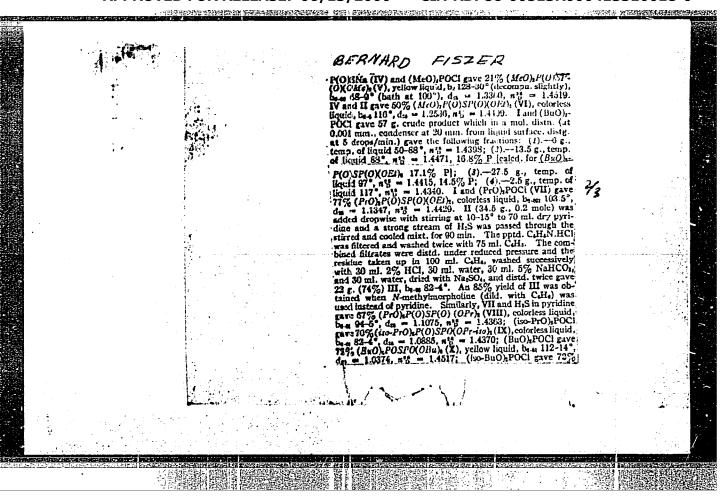


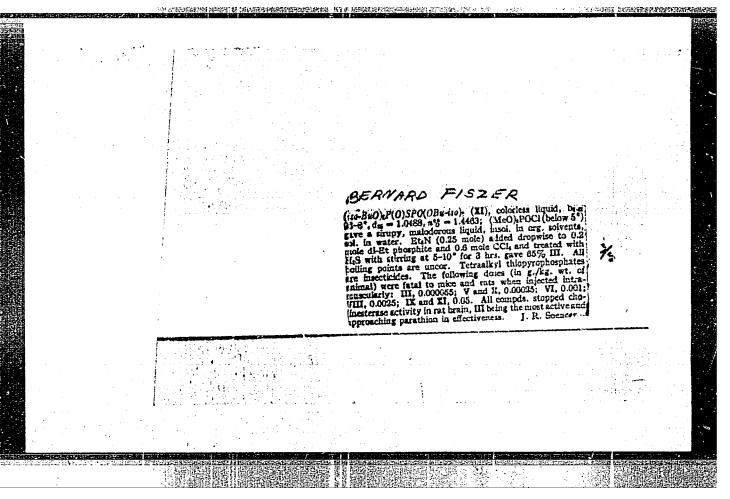






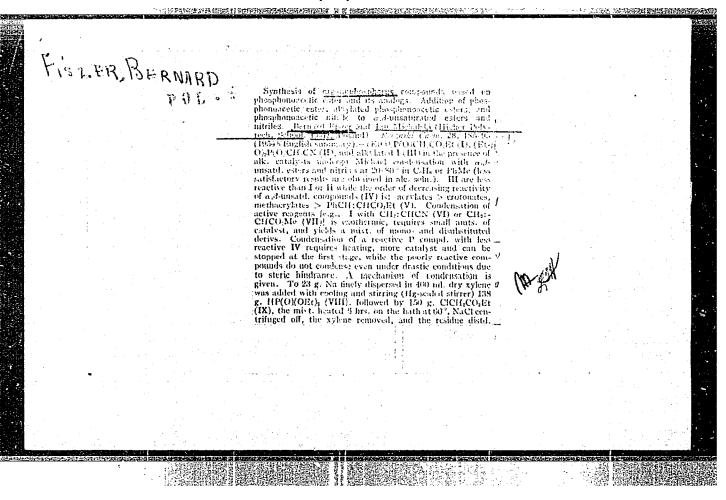


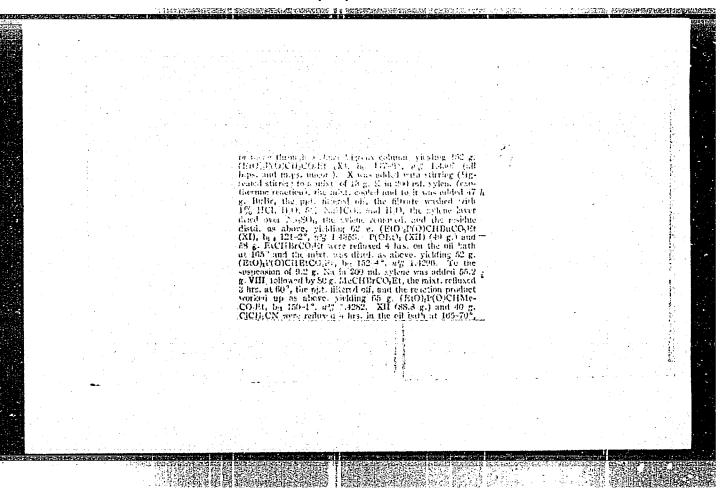


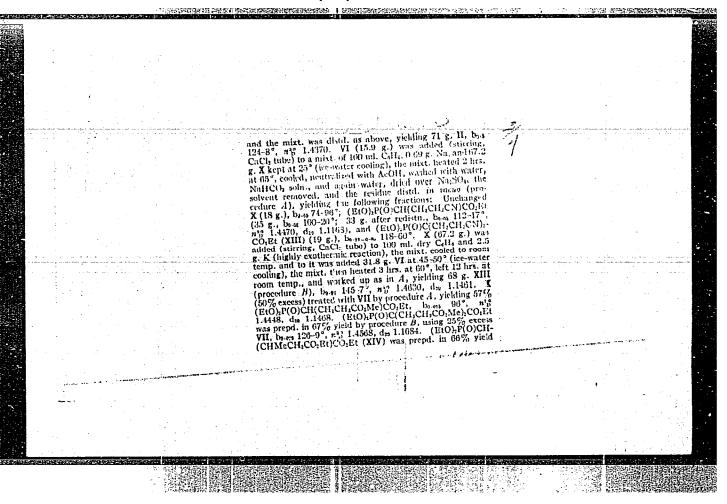


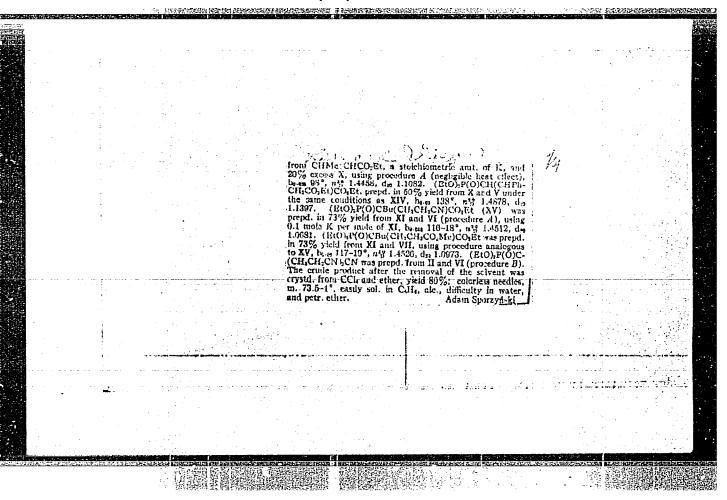
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Warsau, Roconiti Chamii, Vol 37, No 9, 1963, pp 949-95h.

Abstract: English article, author's survey modified? Investigation of thermal decomposition of dicthoxyphosphinylacetic acid is described. It was found that the reaction follows two parallel directions, namely, decarboxylation and dealkylation. The latter is caused by the presence of carboxylic groups. No thermal decomposition of  $\alpha$ -dihydroxyphosphinylglutaric and dibenaylphosphinylacetic acids occurs under similar conditions. Ten references, including 1 Polish, 2 Russian, and 7 Western.

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Uncl.

PCLAND / Chemical Technology. Chemical Products and H-5 Their Application. Water Treatment. Sewage.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78129.

Author : Fiszer, Jozef. Inst : Not given.

Inst : Not given.

Title : Project of Experimental Station at The Town of

Poznan for Purification of Sawage with Application

of Tower Biofilters.

Orig Pub: Gaz, woda i techn. sanit., 1958, 32, No 2, 54-56.

Abstract: No abstract.

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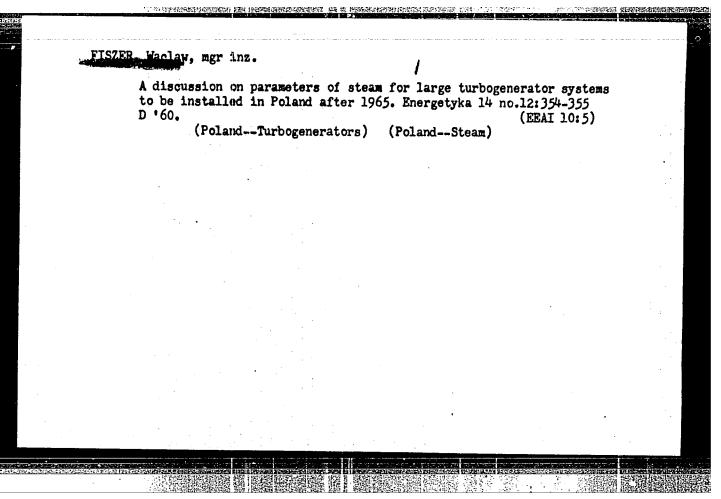
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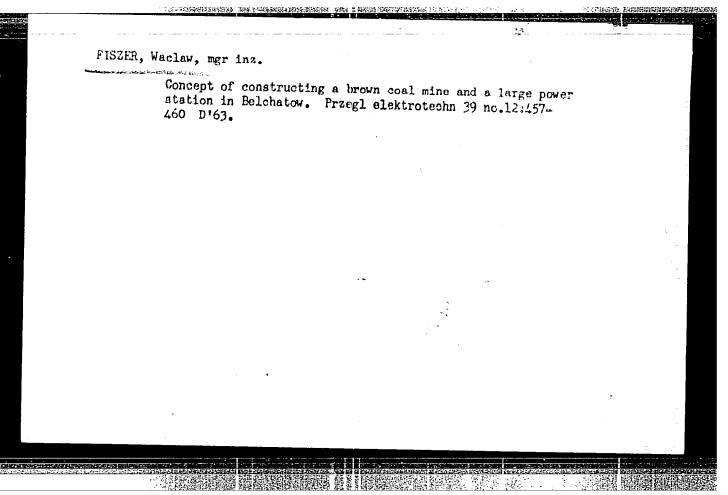
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Energetyka Pol. 15 no.9:258-259 S 16064

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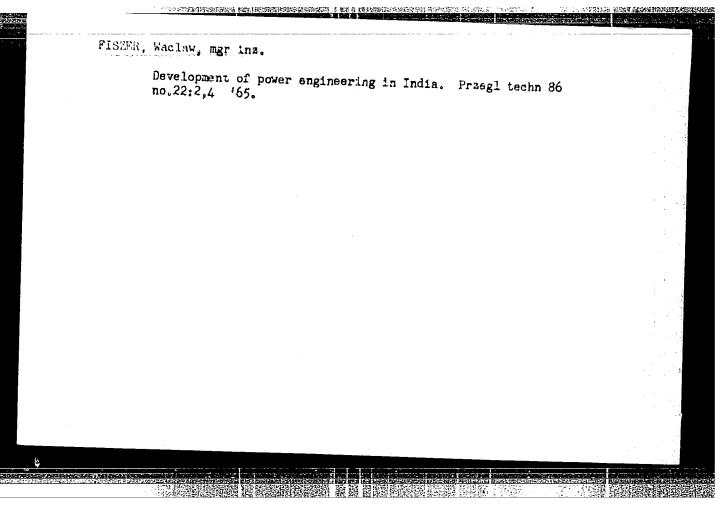
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Achievements of Polish power engineering in the recent 20 year period and its development prospects. Energetyka Pol 18 no. 7: 193-197 Jl '64.



# Food Technology

POLAND

PEZACKI, W. and <u>FISZER, W.</u>, of the Chair of Meat Technology, Higher School of Agriculture (Katedra Technologii Miesa WSR), Poznan. Prof. Dr. W. Pezacki, Head.

"An Attempt at Evaluating the Principal Transformation Products of 1,6 $^{14}\mathrm{C}$  Glucose in Raw Smoked Meat"

Lublin, Medycyna Weterynaryjna, Vol 22, No 8, 1966, pp 488-495.

Abstract: The transformation products of labeled 1,9<sup>11</sup>C glucose in raw smoked meats were studied in four series comprising 32 samples each during 6 production days and 60 post-production storage days. Radioactivity of CO<sub>2</sub> combined in Ba<sup>11</sup>CO<sub>3</sub> after evolution from the meat was then determined. It was determined that fermentation of glucose in raw smoked meats is of the hetero type, and that it takes place only during production. Contains 6 tables and 15 references (6 Polish, 4 Western, 1 Russian and 4 German-language).

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FISZMAN, Michal, mgr

Role of the technical press in the modernization of the teaching procedures in occupational schools. Przegl techn 85 no. 43:1,11 25 0 64.

1. Central Office of Educational Methods, Ministry of Education, Warsaw.

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Kovalenko, Boris Mikhaylovich; Fit, Eduard Aleksandrovich

Digital equipment for automating the petroleum industry (Tsifrovyye ustroystva dlya avtomatizatsii neftyanoy promyshlennosti) Moscow, Izd-vo "Nedra", 66. 0266 p. illus, biblio. 1,900 copies printed

TOPIC TAGS: analog digital conversion, digital system, petroleum industry, logic element, automation

PURPOSE AND COVERAGE: The book discusses the elements and devices of digital engineering, and the methods of converting continuous values into discrete values and vice versa, and presents the principles of coding. Special codes which eliminate errors in the conversion of continuous values into discrete values, and the algorithms and circuits used in data processing in relation to specific matters pertaining to the petroleum and petrochemical industries are reviewed. The potentialities of digital devices shown by specific examples. Simplified algorithms and processing systems for digital data are presented. The book is intended for engineering and technical personnel dealing with problems of application of digital engineering in the petroleum and petro-

Card 1/2

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chemical industry, and may be useful to students attending courses in automation and digital and measuring engineering at Schools of Higher Education of Petroleum Processing. The authors express their gratitude to L. B. Kublanovskiy, Candidate of Technical Sciences, for reviewing the book and for his advice.

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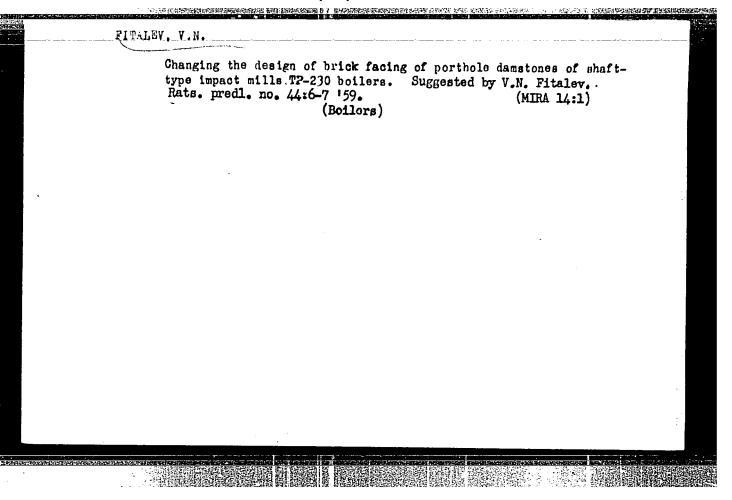
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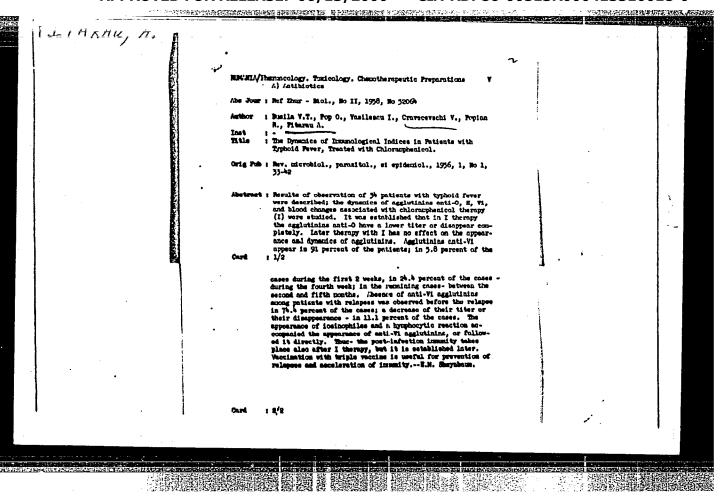
FITAK, Bohdan; BOZYK, Zbigniew

Accuracy of Gerber's method of fat determination in cottage cheese and processed cheeses with the Van Gulik butyrometer. Chem anal 8 no.2:233-238 '63.

1. Department of Food Investigation, Academy of Medicine, Warsaw. Head of Department: prof. dr S. Krauze.



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BUSIIA, V.T.; POP, O.; VASILESCU, I.; TOPCIU, VI.; POPIAN, R.; CUCURUZ, I.; ALEXANDRUSCU, R.; ISACSON, I.; SON, C.; CRAVCEVSCHI, V.; ZIIBERMAN, L.; FITARAU, A.; JICMAN, M.

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Clinical study of leptospirosis. Stud. cercet. inframicrobiol., Bucur. 8 no.2:259-280 1957.

1. Communicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R. in sedinta din 5 marte 1956.

(LEPTOSPIROSIS

pathol. & spidemiol. of L. pomona, L. canicola & other leptospiral infect. in Rumania, case reports & review)

BASILA, V.T., prof.; VASILESCU, I.; FITARAU, A.; CIOFLEC, D.

Serious staphylococcal septicemia with cavernous sinus thrombosis and bullous pneumonopathy. Microbiologia (Bucur) 6 no.1:25 Ja-F '61.

1. Clinica de boli contagioase, Timisoara.

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BUSILA, V. T., prof.; VASILESCU, I., dr.; CUCUTUZ, L., dr.; ALEXANDRESCU, R., dr.; POPIAN, R., dr.; FITARAU. A., dr.; PLACINTA, A., dr.; STAMBOLIU, D. W., dr.; BACALOGLU, D., dr.; PANA, G., dr.; NOVACOVICI, O., dr.; COTLEAREVSCHI, V., dr.; COTLEAREVSCHI, E., dr.

Clinical and biological characteristics of a focus of trichinosis. Med. intern., Bucur 13 no.2:227-236 F 161.

1. Clinica de boli contagioase, Timisoara (for Bacaloglu). 2. Spitalul si Sanepidul Orsova (for Cotlearevschi).

(TRICHINOSIS)

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TUDORAN, P., ing.; RADU, A., ing.; FITERAU, Victoria, ing.

Increasing the splintering capacity of woodprocessing tools, by cyaniding treatment. Ind lemnului 15 no.6/7:231-236 Je-Jl

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FITERMAN, Ja.F.; GRANOVSKIY, S.A., redaktor; VORONETSKAYA, L.V., tekhnicheskiy redaktor.

The same control of the control of t

[Assembling and repair of hydraulic turbines] Montazh i remont gidroturbin. Leningrad, Gos.energeticheskoe izd-vo, 1952. 462 p. (Hydraulic turbines) (MIRA 8:3)

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FITERMAN, YA. F., BARKOV, N. K. and N.A.POPOV

Eksploatatsiia gidroagregatov. Lemingrad, Gosenergoizdat, 1949. 260 p. illus. Bibliography: p. 260.

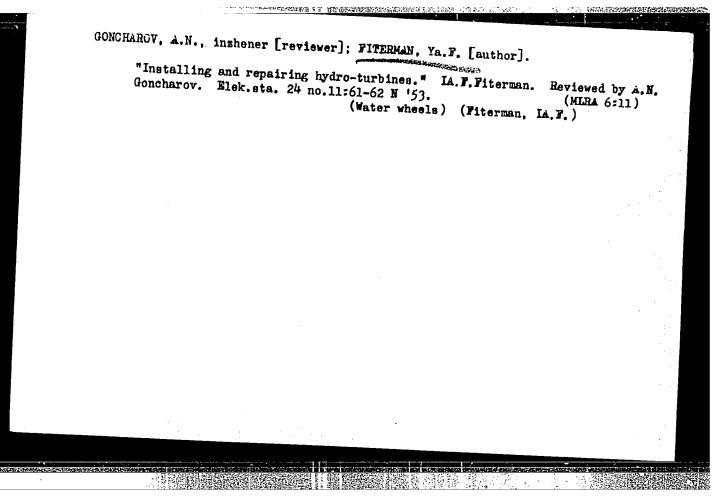
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Operation of hydraulic units.

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SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

So: W-14151 11 Oct 1150

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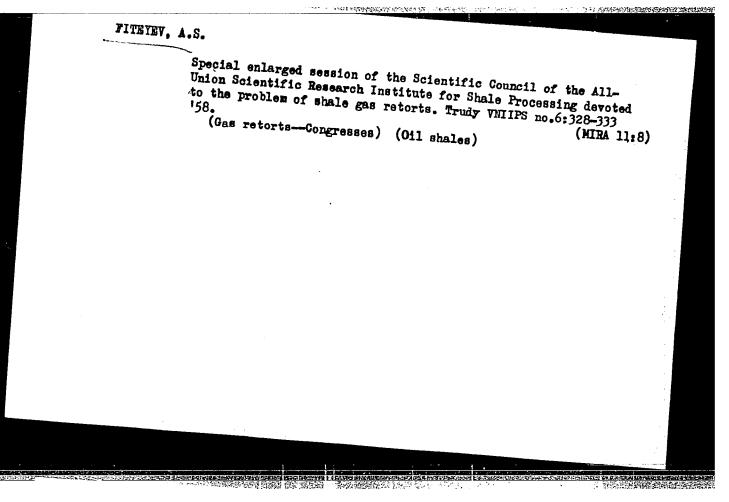
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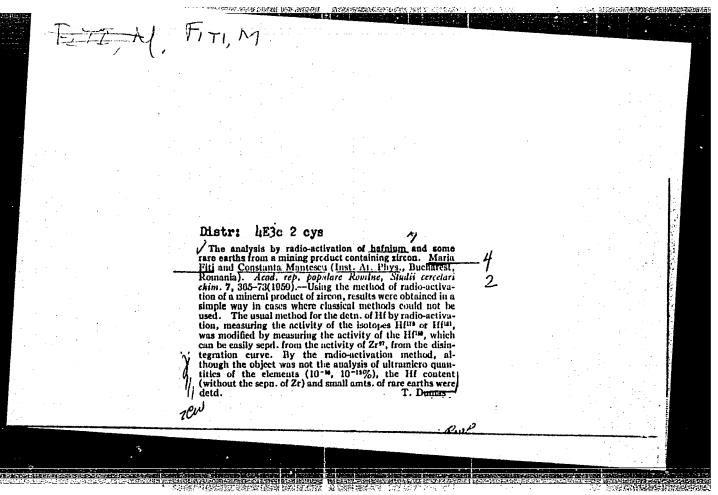
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[Assembly and maintenance of hydraulic turbines] Montazh i remont gidroturbin. Izd.2., perer. i dop. Moskva, Gos. energ. izd-vo, 1961. 553 ps.

(Hydraulic turbines—Maintenance and repair)

(Hydroelectric power stations)





BADANOIU, M.; FITI, M.; MANTESCU, C.

Analysis of the chemically pure silicon by radioactivation. Studii cerc chim 7 no.4:573-579 \*59. (ZEAI 9:7)

1. Institutul de fizica atomica al Academiei R.P.R., Bucuresti. (Semiconductors) (Silicon) (Radioisotopes)

FITI, M.; MANTESCU, C.; COSTEA, T.

Determination of boron in ores through the registration of particles in the reaction Bl<sup>0</sup> (n,α) Li<sup>2</sup>. Studii cerc fiz ll no.2:423-430 '60.

(Ores) (Boron) (Lithium) (Neutrons)

(Nuclear counters) (Alpha rays).

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S/081/62/000/023/012/120 B149/B186

AUTHOR:

Fiti, Maria

TITLE:

Study of the nature of active surfaces of solid catalysts. I. Active surface of Cr<sub>2</sub>O<sub>3</sub> and NiO according to radiochemical

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 23, 1962, 86, abstract 23B629 (Studii și cecetări fiz. Acad. RPR, v. 12, no. 2, 1961, 357 - 369 [Rum.; summaries in Russ. and French])

TEXT: The properties of the active surface of CrO<sub>3</sub> and NiO were studied by chemosorption of CO<sub>2</sub>, by the course of isotope exchange C<sup>14</sup>O<sub>2</sub>(ads.) + CO<sub>2</sub> (gas) + CO<sub>2</sub> (gas) + CO<sub>2</sub> (ads.), and by the differential isotope method. The changes in the active surface of these catalysts under the action of Co<sup>60</sup> r-radiation were investigated. [Abstracter's note:

Card 1/1

FITI, Maria; GAINAR, I.; GHERGHESCU, Ileana; GIRD, E.

Possibility of applying ion exchangers in the catalytic reaction of acetylene hydration. Studii cerc chimie 10 no.2:243-249 162.

1. Institutul de fizica atomica, Bucuresti.

## FITI, Maria

Radiolysis of acetylene in solution. Pt.1. Rev chimie Roum 9 no.6//7:451-461 Je-J1 •64

1. Laboratory of Radiochemistry, Institute of Atomic Physics, P.O. Box 35.

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Radiolysis of acetylene in solution. Pt.l. Studii cerc chim
13 no.6/7:459-468 Je-Jl \*64

1. Laboratory of Radiochemistry, Institute of Atomic Physics,
P.D. Box 35.

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FITIALOU, S. YA.

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PHASE I BOOK EXPLOITATION

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Leningrad. Universitet

Materialy po mashinnomu perevodu; sbornik 1 (Materials on Machine Translation; Collection of Articles Nr 1) Leningrad, Izd-vo Leningn univ., 1958. 228 p. 1,000 copies printed.

No contributors mentioned.

PURPOSE: The book is for students, scientists, and engineers interested in machine translation.

和"新年的美国工作的" 电影 医多元的 计

COVERAGE: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 25 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1958 to continue research on translating with the aid of electronic machines. Although the present volume deals with both the theoretical and the practical aspect of machine translating, the emphasis is on the compilation of algorithms for a number of lan-

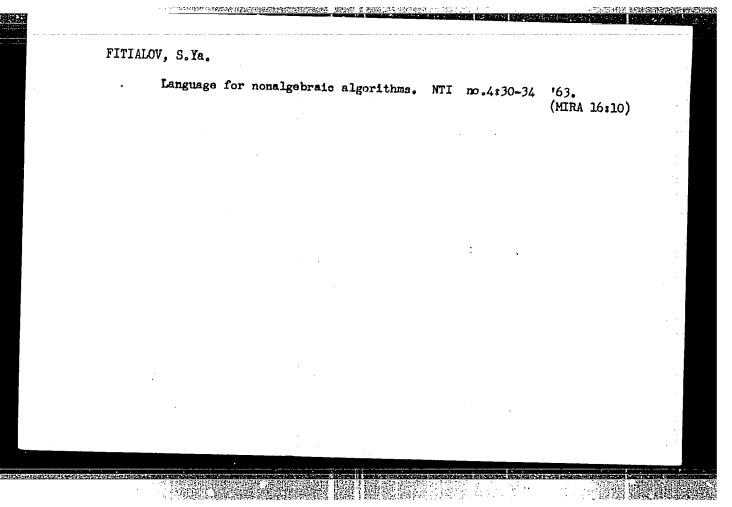
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guages, many of them Asiatic. There are no references.	•
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FITILEY, B.V.; RUTES, V.S.

Widespread introduction of the continuous pouring of steel is a work of great economic significance. Stal! 23 no.9:769-772 S '63. (MIRA 16:10)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413310018-0"

OTKUPSHCHIKOVA, M.I.; FITIALOV, S.Ya.

System of morphological synthesis of the Russian language. NTI no.1:39-46 164. (MIRA 17:3)

THE TWO PROPERTY OF THE PROPER

AUTHOR: Otkupshchikova, M. I.; Fitialov, S. Ya.

INTLE: A system of morphological synthesis for the Russian language

SOUPPE: Nauchno-tekhnicheskaya informatsiya, no. 1, 1964, 39-46

TOPIC TAGS: algorithm, machine translation, morphological synthesis, linguistics

ABSTRACT: The paper considers a morphological synthesis of the Riverian ranguage, is a self-consider translation of English which is a consideration of English which is a consideration of English with a consideration, and teach is a consideration of the alphabetical word form it a morphological values of the alphabetical word form it a morphological values determination and distinguished in machine translation, and basically allows determination and confect word in its dictionary to which a text method, as we can enter instructionary confect word form in context. The present paper less notes a consideration of the concept the morphological synthesis.

ASSOCIATION: none

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---- ENT (d)/BIT/EED-2/EWP(1) PR-4/PK-4/Po-4/FK-4, 178/6 MONTESSION NR: AP5000881 S:0313 64 000 007/0030/0036 AUTHOR: Fittalov, S. Ya. B TITLE: Two types of calculation SOURCE: Nauchno-tekhnicheskaya informatsiva, no. 7, 1964, 30-36 TOPH: TAGS: mrchine translation, phrase structure, grammar, language structure, linguistics, catculus theory 164 ABSTRACT: Two classes of grammatical calculations are studied: direct calculation of the components used in machine translation, and so-called parenthetical calculations some result is shown that for its firest and all restricts and a section of section of section of sections. and the times in languages associated with the present et, et d'écomponents are presented : l'estratures de les The disk of determinate form. The dismission of the control of the sound of the control of the c The following theorems of street and a Principle of the following theorems of street and a second of the Principle of the following the follow and the Company at the world and a over type P: II Type C is not equivalent to type P; III Class P-calculations and simple Cord 1/2

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FITILEV, B.V.; GUBERT, S.V.; OSIPOV, A.I.

Prospects for expanding the continuous casting of steel. Stal' 23 no.10:889-892 0 '63. (MIRA 16:11)

1. Gosudarstvennyy komitet po chernoy i tsvetnoy metallurgii pri Gosplane SSSR, Gosudarstvennyy soyuznyy institut po proyektiro-vaniyu metallurgicheskikh zavodov i TSentral'nyy nauchno-issledo-vatel'skiy institut chernoy metallurgii.

FITTHEWA, L. F.

Fitileva, L. M. -- "Influence of a Therapeutic Diet on the Functional State of the Kidneys in Patients with Hypertensive Disease." Second Foscow State Med Inst imeni I. V. Stalin, Moscow, 1955 (Dissertation for the Degree of Candidate of Veterinary Sciences)

SO: Knizhnaya Letopis', No. 2h, Moscow, Jun 55, pp 91-10h

GEL'SHTEYN, G.G. (Moskva, Leninskiy prospekt, 8, kv. 18); FITILEYA, L.M.

CONTRACTOR OF THE PROPERTY OF

Some auscultative and phonocardiographic data in mitral stenosis. Grud.khir. 1 no.1:31-41 Ja-F 159. (MIRA 13:6)

1. Iz laboratorii elektrokardiografii i fonokardiografii Instituta grudnoy khirurgii AMH SSSR (dir. - prof. A.A. Busalov, nauchnyy rukovoditel! - akad. A.N. Bakulev).

(MITRAL VALVE--DISEASES)

GEL'SHTEYN, G.G.; FITILEVA, L.M. (Moscow)

Some ausculatative and phonocardiographic data in mitral stenosis. Terap.arkh. 31 no.4:55-62 Ap '59. (MIRA 14:5)

1. Iz laboratorii elektrokardiografii Instituta grudnoy khirurgii AMN SSSR (dir. - akademik A.N.Bakulev).
(MITRAL VALVE—DISEASES) (HEART—SOUNDS)